Compliant with IEC 62474/ D9.00

MICROCHIP  Semiconductor Device Type: MT / PL (H7X) 100 LQFP 14x14x1.6mm Matte Tin			Termination Base Alloy: Copper Alloy (Cu)			Package Homogeneous Materials: 8.1 Electronics (e.g. pc boards, displays)				JEDEC 97 Product Marking and/or Pkg. Labeling e3
		"Contained In"	% I otal			491.77	(mg) Total	Mold Compound	% ot Total Weight	84.73
Basic Substance	CAS Number	Sub-Component	Weight	mg/part	ppm	491.77		•	Ū	. 04.73
Silica Fused	60676-86-0	Mold Compound	74.791	434.088	747,912		Silica Fused	60676-86-0	88.27	
Epoxy Resin	Trade Secret	Mold Compound	5.287	30.687	52,872		Epoxy Resin	Trade Secret	6.24	
Phenol Resin	Trade Secret	Mold Compound	4.397	25.523	43,975		Phenol Resin	Trade Secret	5.19	
Carbon Black	1333-86-4	Mold Compound	0.254	1.475	2,542		Carbon Black	1333-86-4	0.30	
Copper	7440-50-8	Lead Frame	12.172	70.645	121,718			Total		
Nickel	7440-02-0	Lead Frame	0.325	1.884	3,246	74.18	(mg) Total	Lead Frame	% of Total Weight	12.78
Silver	7440-22-4	Lead Frame	0.213	1.238	2,133		Copper	7440-50-8	95.24	
Silicon	7440-21-3	Lead Frame	0.058	0.334	575		Nickel	7440-02-0	2.54	
Magnesium	7439-95-4	Lead Frame	0.013	0.074	128		Silver	7440-22-4	1.67	
Silver	7440-22-4	Die Attach	0.031	0.179	308		Silicon	7440-21-3	0.45	
Acrylic Resin	Trade secret	Die Attach	0.003	0.020	34		Magnesium	7439-95-4	0.10	
Epoxy Resin	Trade secret	Die Attach	0.001	0.006	10			Total		
Acrylated EP-Resin	Trade secret	Die Attach	0.002	0.013	22	0.23	(mg) Total	Die Attach	% of Total Weight	0.04
Polybutadiene derivative & Coplolymer	9003-17-2	Die Attach	0.003	0.015	26		Silver	7440-22-4	77.00	
Silicon	7440-21-3	Chip (Die)	0.570	3.308	5,700		Acrylic Resin	Trade secret	8.50	
Copper	7440-50-8	Wire Bond	0.098	0.570	983		Epoxy Resin	Trade secret	2.50	
Dolladium	7440-05-3	Wire Bond	0.002	0.010	18		Acrylated EP-Resin	Trade secret	5.50	
Palladium					17,800	Pr	olybutadiene derivative & Coplolyme	er 9003-17-2	7	
Palladium Tin	7440-31-5	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour	1.780	10.331			DIVIDURACIO GENVARIVE A COPIDIVINE			
	7440-31-5	Plating on external leads (pins) - Matte Tin / annealed at 150°C for 1 hour TOTALS:		580.400	1,000,000		sybaladiche derivative a ooplolyme	Total	100.00	•
Tin	0.5804	TOTALS: g Total Mass Directives: 2002/95/EC (27 January 2003) & Directive 2011/65/EU (0	100.000	580.400	1,000,000	3.31	(mg) Total  Doped Silicon	Total Chip (Die) 7440-21-3	% of Total Weight	
Tin emiconductor device and its homogenous materials 2015) and 2002/53/EC (End-of-Life Vehicles (ELV) wit	0.5804 comply with EU	TOTALS: g Total Mass Directives: 2002/95/EC (27 January 2003) & Directive 2011/65/EU (0	100.000	580.400	1,000,000		(mg) Total	Total Chip (Die)	% of Total Weight	
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emiconductor device and its homogenous materials 2015) and 2002/53/EC (End-of-Life Vehicles (ELV) will liance with the above EU Directives has been verified emical substance is absent from the list above, the corated's knowledge and belief as of the date of this of an other below the threshold of regulatory concern for an unicomyglobal/eng/pages/offerings/industries/chemical corective "tubes" in which the specific product is ship train "reels" may be made from PVC plastic. Schip Technology Incorporated believes the information or original packing materials is true and correct to the empleteness and accuracy of data in this form because ier information is often protected from disclosure as large into material in the specific product is the structure of the average we trace levels of dopants, metals, and non-metal materials in the control of the protected from disclosure as a control of the protected from disclosure as the protected of the protected from disclosure as the protected of the protected from disclosure as the protected	0.5804 comply with EU thout exemption via internal desi hemical substan locument, there in ny regulatory sch lammability stan als/plastics/ oped are made fr on in this form co best of its know e it has been coi trade secrets an eight of these pa erials contained varranty, express and its subsidia changes to Mate he users' relianc	TOTALS:  g Total Mass  Directives: 2002/95/EC (27 January 2003) & Directive 2011/65/EU (0 (2ero)  ign controls, supplier declarations, and /or analytical test data.  ce is NOT an intentional ingredient in the semiconductor device and is no credible reason to believe that the unavoidable impurity conceiveme world-wide.  Indirection of the declarations of the declaration of the declarati	d, to the best entration of the to obtain a te mold the packing provided by semblers and proponents. The excitation. The excitation. The excitation of the control of the provided by semblers and proponents. The excitation of the	of Microchip and 2015/863, of Microchip are chemical substrated annot raw material araw material hese estimated lusive, limited are provided in and consequences.	1,000,000  /EU (31  Technology ubstance, if e outer box ctor devices guarantee suppliers. suppliers. se do not di product n Microchip's ntial or	0.58	(mg) Total  Doped Silicon  (mg) Total  Copper  Palladium	Total Chip (Die) 7440-21-3 Total Wire Bond 7440-50-8 7440-05-3 Total	% of Total Weight 100.00  % of Total Weight 98.25 1.75  100.00  % of Total Weight	0.1

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